

FACILITY STATUS CHANGE FORM (for DOE/RL-2010-34 Facilities)

Date Submitted: 11/26/2012 Originator: David Warren Phone: 539-6040	Area: 100-D Facility ID: 1902-D Water Tower Action Memorandum: General Hanford Decommissioning Activities	Control #: D4-100D-001
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This form documents agreement among the parties listed below on the status of the facility D&D operations and the disposition of underlying soil in accordance with the applicable regulatory decision documents.

Section 1: Facility Status

- ☒ All removal actions require by action memo complete.
- ☐ Removal actions required by actions memo partially complete, remaining operations deferred.

Description of Completed Activities and Current Conditions:

The above grade portion of the 1902-D was erroneously added to and demolished under the *Removal Action Work Plan for 105D and 105H Interim Safe Storage Projects and Ancillary Buildings*, DOE/RL-2000-57, a work plan for which the Action Memorandum lacked a plug in approach for adding facilities. Once recognized, the information was captured in a Memorandum to file (See attachment 1) and the remaining below grade components of the 1902-D to be demolished were added via the authorized plug in approach identified in the the *Removal Action Work Plan for River Corridor General Decommissioning Activities*, DOE/RL-2010-34, via a Tri Party Agreement Change Notice (See attachment 2).

Deactivation: If required, utility isolation was performed at each facility prior to beginning deactivation.

Decontamination and Decommissioning: Category II Friable Asbestos Containing Material (ACM), in the form of paint on the wooden pipe chase, was inaccessible for abatement due to safety concerns associated with the height of the structure. The material was left in place for demolition with asbestos demolition controls. No other Hazardous Materials were associated with the 1902-D Structure.

Demolition: Demolition of the above grade of the facility, initiated by the pulling over of the water tower, occurred in 2009. The below grade concrete structures of the water tower (tower leg footings and associated valve pit) were removed to 3 feet below grade in September of 2012. Waste was loaded out and transported to the Environmental Restoration Disposal Facility (ERDF), where it was disposed of. Based on past uses of this facility, radiological contamination was not expected during demolition and a No Potential to Emit for demolition of the below grade was submitted to and approved by DOE (see Attachment 8).

Description of Deferral (as applicable):

N/A.

Section 2: Underlying Soil Status

- ☒ No waste site(s) present. No additional actions anticipated.
- ☐ Documented waste site(s) present. Cleanup and closeout to be addressed under Record of Decision.
- ☐ Potential waste site discovered during removal action. Waste site identification number <to be> assigned.
- Cleanup and closeout to be addressed under Record of Decision.

Description of Current/As-Left Conditions:

The 1902-D Water Tank was pulled over with an excavator. Once on the ground the structure was demolished, size reduced, and removed. The below grade concrete structures of the water tower (tower leg footings and associated valve pit) were removed to 3 feet below grade in September of 2012. A visual inspection and radiological surveys of the excavation were performed and are documented in attachments 5 and 6, respectively. GPS was performed to document any remaining concrete structure and the extent of the excavation prior to the site being backfilled and graded to match

FACILITY STATUS CHANGE FORM (for DOE/RL-2010-34 Facilities)

the surrounding terrain. The results of the civil survey(s) are in Attachment 7. The area is currently clear of Industrial Hygiene or Radiological postings.

Identification of Documented Waste Site(s) or Nature of Potential Waste Site Discovery (as applicable):
None.

Section 3: List of Attachments

1. DOE Memorandum to File, Subject: Removal Action of the 1902-D Water Tower
2. Tri Party Agreement Change Notice 493
3. Facility information (building history and characterization)
4. Project photographs
5. Visual Inspection of 1902-D Excavation
6. Post Demolition Radiological Surveys
7. Civil Survey Information
8. DOE approval of No Potential to Emit for 1902-D below grade demolition



DOE-RL (Lead Agency)



Date

DISTRIBUTION:

DOE: Rudy Guercia, A3-04

Document Control, H0-30

Administrative Record, H6-08 (100-DR-100)

SIS Coordinator: Benjamin Cowin, H4-22

D4 EPL: David Warren, X9-08

Sample Design/Cleanup Verification: Megan Proctor, H4-22

FR Engineering: Rich Carlson, N3-30

FR EPL: Rich Carlson, N3-30

Attachment 1: DOE Memorandum to File, Subject: Removal Action of the 1902-D Water Tower

United States Government

Department of Energy

Richland Operations Office

memorandum

DATE: JAN 03 2012
REPLY TO: AMRC:RFG/12-AMRC-0057
ATTN OF:
SUBJECT: REMOVAL ACTION OF THE 1902D WATER TOWER

TO: Memorandum-to-File



- References:
- (1) Document, "Removal Action Work Plan for River Corridor General Decommissioning Activities," Revision 0. DOE/RL-2010-34, dtd. May 2010. 0088780
 - (2) Administrative Record Document, "TPA Change Notice Form TPA-CN-310. DOE/RL-2000-57. Rev 2 Removal Action Work Plan for the 105D and 105H Interim Safe Storage Projects and Ancillary Buildings," TPA-CN-310. dtd. November 9, 2009. 0098303
 - (3) Administrative Record Document, "Change Notice for Modifying Approved Documents Work Plans in Accordance with the Tri-Party Agreement Action Plan Section 9.0 Documentation and Records. DOE/RL-2000-57, Rev 2 Removal Action Work Plan for the 105D and 105H Interim Safe Storage Projects and Ancillary Buildings." TPA-CN-286. dtd. July 14, 2009. 0054840
 - (4) Administrative Record Document, "Action Memorandum for 105D and 105H Reactor Facilities and Ancillary Facilities," D8566146, dtd. January 5, 2001. 0054298
 - (5) Administrative Record Document, "Action Memorandum for 105D and 105H Reactor Facilities and Ancillary Facilities," D8566579, dtd. December 8, 2000. 0054299

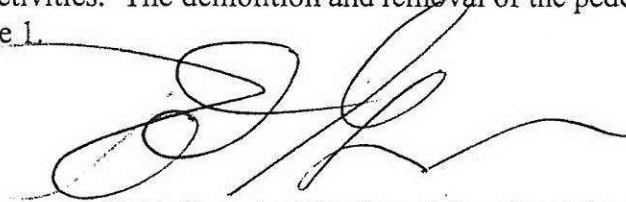
Reference 2 and Reference 3 added the demolition of the 1902D to DOE/RL-2000-57, "Removal Action Work Plan for the 105D and 105H Interim Safe Storage Projects and Ancillary Buildings". 1902D was an abandoned steel water tower supported on an open frame that had been abandoned as a derelict portion of the 100D raw water system.

The steel superstructure and tank of the 1902D were demolished; the pedestals for the 1902D support frame still remain in place. The superstructure and tank demolition debris was disposed at the Environmental Restoration and Disposal Facility in accordance with TPA-CN-286 and TPA-CN-310 and their associated removal action work plan.

JAN 03 2012

A review of the action memorandum has revealed that the plug-in approach was not specifically authorized by the 105D action memorandum. The 1902D superstructure and tank were eligible for inclusion in Reference 1, but was erroneously placed in Reference 2. Additionally, the 1902D tank and superstructure did not undergo the National Environmental Policy Act review process as the work was performed under the incorrect removal action document. This type of work would normally be performed under a Categorical Exclusion, due to the absence of hazards, but the facility was not specifically analyzed under the nation Environmental Policy Act process.




The U.S. Environmental Protection Agency has advised the U.S. Department of Energy that facilities may not be added to Reference 1 after work is completed. This memorandum to file documents that the same process outlined in Reference 2 was used to perform the 1902D tank and superstructure demolition activities. The demolition and removal of the pedestals for 1902D will be added to Reference 1.

A handwritten signature in black ink, appearing to be 'R. F. Guercia', with a long horizontal line extending to the right.

R. F. Guercia, 300 Area Subproject Director
River Corridor Project

cc:
Administrative Record, H6-08
F. W. Bond, Ecology, H0-57
R. W. Russell, ORP, H6-60

Attachment 2: Tri Party Agreement Change Notice 493

Control Number: TPA-CN-493	TPA Agreement/Change Control Form <input type="checkbox"/> Change <input checked="" type="checkbox"/> Agreement <input type="checkbox"/> Information Operable Unit(s): 100D Area Removal Action	Date Submitted: 12/21/2011 Date Approved: 12/29/11									
Document Number/Title: Removal Action Work Plan for River Corridor General Decommissioning Activities, (DOE/RL-2010-34, Rev. 0)		Date Document Last Issued: May 2010									
Originator: R. F. Guercia		Phone: (509) 376-5494									
Summary Discussion: Removal Action Work Plan for River Corridor General Decommissioning Activities (RAWP), DOE/RL-2010-34, Rev. 0, documents activities to be performed to achieve the non-time-critical removal action (NTCRA) for surplus facilities located in various areas within the scope of the River Corridor project on the Hanford Site. The removal process is achieved through the deactivation, decontamination, decommissioning, and demolition (D4) of surplus facilities. Both the RAWP and <i>Action Memorandum for General Hanford Site Decommissioning Activities</i> , DOE/RL-2010, Rev. 0, allow for inclusion of additional buildings provided they are sufficiently similar to buildings/structures already included in the NTCRA scope. The attached list of facilities is added to the RAWP for <i>River Corridor General Decommissioning Activities</i> , based on potential for contamination. DOE finds that decommissioning and demolition of these facilities are necessary. In accordance with section 1 of the <i>Action Memorandum for General Hanford Site Decommissioning Activities</i> , DOE/RL-2010-22, DOE has chosen, with regulator concurrence, to remove the attached facilities. These facilities are sufficiently similar to other 100N and 100B Area buildings/structures already included in the River Corridor NTCRA scope and a reasonable basis exists to include them in the RAWP, Table 1-1, Building/Structure list.											
Justification and Impact of Change: Both the RAWP and <i>Action Memorandum for General Hanford Site Decommissioning Activities</i> , DOE/RL-2010, Rev. 0, allow for inclusion of additional buildings provided they are sufficiently similar to buildings/structures already included in the NTCRA scope. The facilities described in the list below are sufficiently similar to buildings/structures already included in the River Corridor NTCRA scope and a reasonable basis exists to include them in the RAWP, Table 1-1, Building/Structure list. RAWP, Section 1.1, Table 1-1., Building/Structure List and Location:											
<table border="1"> <thead> <tr> <th>Building Number</th> <th>Area</th> <th>Approximate Waste Quantity (tons)</th> </tr> </thead> <tbody> <tr> <td>1902D (below grade)</td> <td>100D</td> <td>50</td> </tr> <tr> <td>183D</td> <td>100D</td> <td>3446</td> </tr> </tbody> </table>			Building Number	Area	Approximate Waste Quantity (tons)	1902D (below grade)	100D	50	183D	100D	3446
Building Number	Area	Approximate Waste Quantity (tons)									
1902D (below grade)	100D	50									
183D	100D	3446									
DOE Project Manager: 		Date: 12/21/11									
EPA Project Manager: 		Date: 12/21/11									
Ecology Project Manager: 		Date: 12/29/11									
Per Action Plan for Implementation of the Hanford Consent Order and Compliance Agreement Section 9.3											

Attachment 3: Facility Information

Introduction

This document provides information regarding the history, characterization, and final status at the completion of deactivation, decontamination, decommissioning, and demolition (D4) activities of the 1902-D Water Tower formerly located at the 100-D Area.

Site Information

The 1902-D Sanitary Water Tank was located near 184-D, it was originally constructed in 1944 as an elevated cylindrical water tank with a conical roof. The total height of the structure was approximately 120 ft, with the base of the tank at a height of 100 ft. The original 100,000 gal tank was made of wood, it was replaced with a steel tank in 1954. A 12 ft by 9 ft by 5 ft valve pit was located directly underneath the tank, with an access manhole on the northeast corner. A small sump was located in the bottom of the valve pit at the southeast corner of the structure. Steam service was provided to the water tank for heating purposes. Water was pumped from the 183-D Filter Building to this high tank, where its primary function was backup water for the fire system in 100D Area. This facility was not classified for radiological conditions, and based on past uses, radiological contamination was not expected.

Radiological and Industrial Hygiene Surveys

Table 1 summarizes the radiological control and industrial hygiene surveys performed on, as well as the asbestos samples collected from, the 1902-D Water Tower.

Table 1. Summary of Radiological and Industrial Hygiene Surveys 1902-D

Type	Quantity	Method Detection Limits	Results
Radiological Scoping or in process surveys	N/A	Beta-gamma – 1,000 removable/ 5,000 fixed ^a Alpha – 20 removable/ 100 fixed ^a	No Radiological scoping or in process surveys were performed for the 1902-D as it was a clean facility with no history of contamination.
Post Demolition Radiological Surveys	1 survey	Beta-gamma – 1,000 removable/ 5,000 fixed ^a Alpha – 20 removable/ 100 fixed ^a	All results were less than method detection limits. The survey is included in attachment 6.
Industrial Hygiene Surveys, Scoping and in Process	N/A	N/A	IH scoping surveys were not performed.
Asbestos – Thermal System Insulation and Miscellaneous Material	14	1% asbestos content	1 sample of paint material associated with the wooden pipe chase was identified to contain greater than 1% asbestos.
^a – dpm/100 cm ²			

Civil Survey Information

A post-demolition Global Positioning System (GPS) civil survey of the excavation for removal of the 1902-D below grade was performed on September 27, 2012. A copy of the GPS survey is provided in Attachment 7.

Anomalies Discovered During Demolition

No anomalies were discovered during the demolition of the 1902-D Water Tower.

Final Building Status and Underlying Soil

The 1902-D Water Tower has been demolished, including the excavation and removal of below grade concrete structures to 3 feet below grade, with the debris being disposed of at ERDF. The only contaminant of concern for demolition of the above grade was Category II Asbestos Containing Materials. There were no contaminants of concern for demolition of the below grade. A visual inspection and radiological survey were conducted of the excavated area and the information is provided in Attachments 5 and 6. No soil staining or radiological contamination was identified.

Table 2. Contaminants of Concern for Facility Demolition

Contaminant of Concern	Management Practice/Determination of No Impact to the Soil
Asbestos	The demolition was performed utilizing asbestos controls. The area was downposted from asbestos controls following a visual inspection to verify that no Asbestos Containing Material remained in the area.

Attachment 4: Project Maps and Photographs

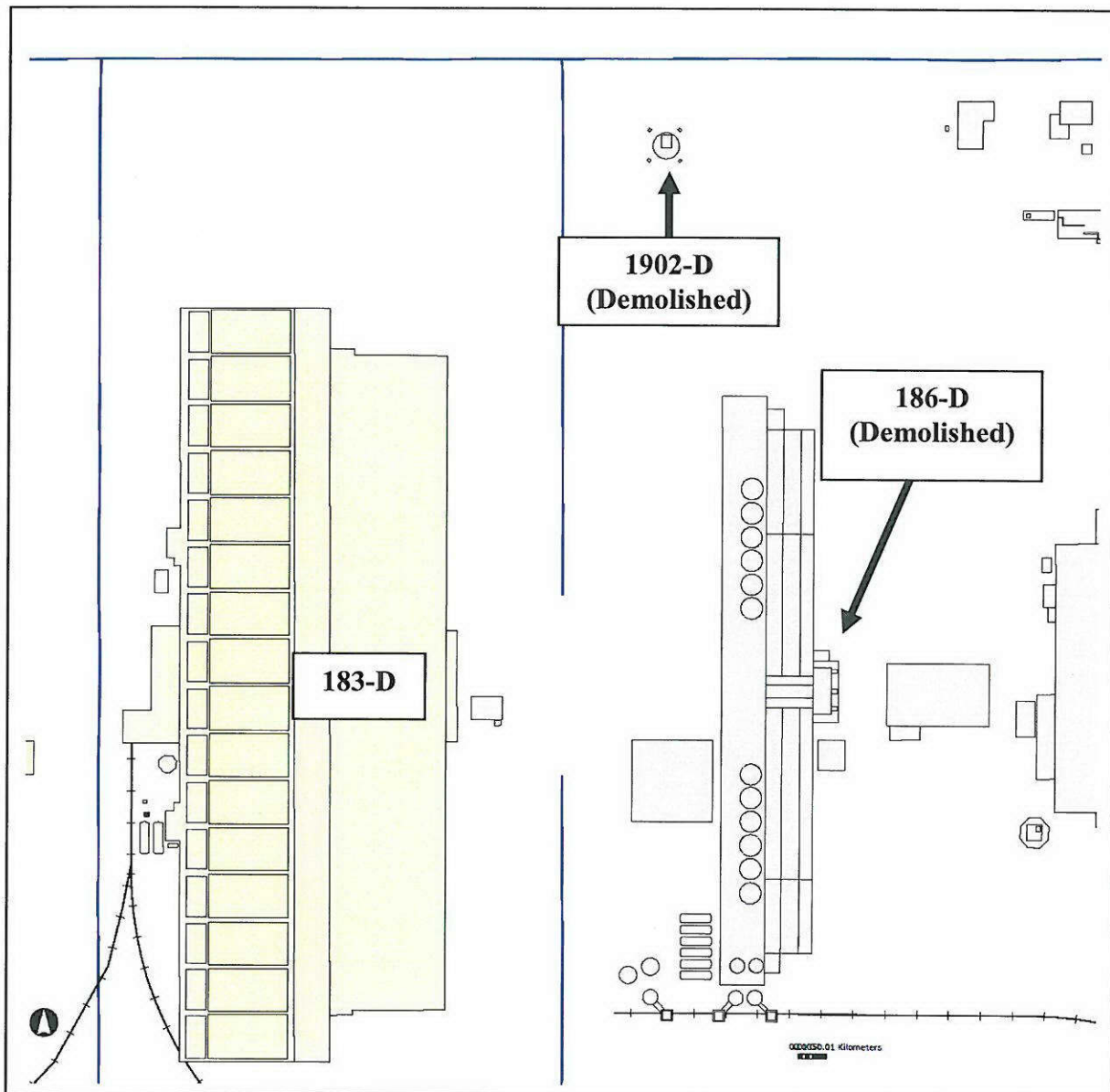
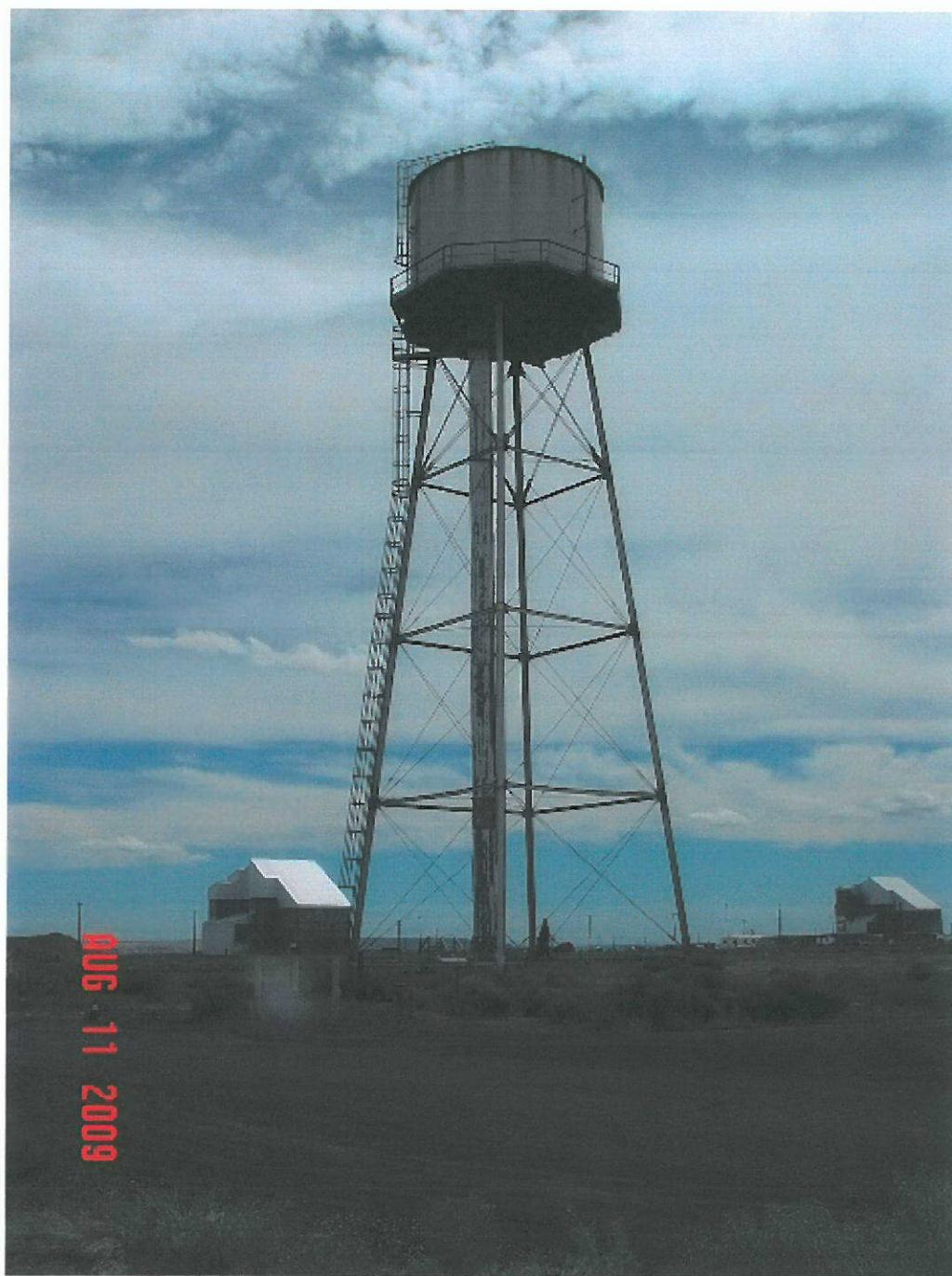
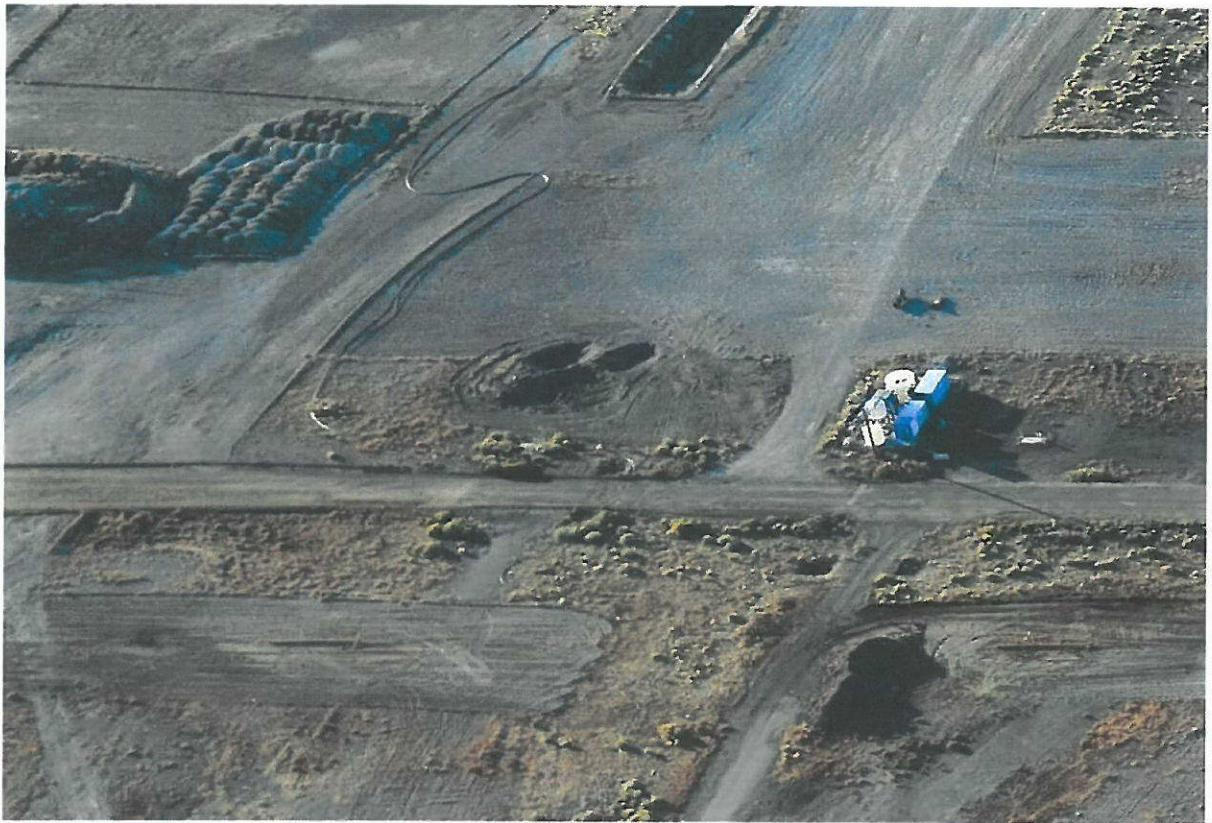


Figure 1. Location Map.



1902-D site before Demolition

1902-D WATER TOWER FACILITY COMPLETION



Aerial photo of 1902-D water tower excavation following demolition (prior to backfill)



Photo of 1902-D water tower excavation area following backfill (looking Northeast)

Attachment 5: Visual Inspection of 1902-D Excavation

Warren, David J

From: McCurley, Clay D
Sent: Wednesday, September 26, 2012 1:05 PM
To: Allen, Mark E
Cc: Warren, David J
Subject: Visual Inspection of 1902-D Water Tower Excavation on 09-26-2012

Attachments: 1902-Visual Inspection Photos 09-26-2012.doc

Mark. I performed a visual inspection today of the excavation left behind from the demolition of the subject facility's four (4) concrete footers and vault. I observed no unusual stains or anomalies in the excavations. Attached are the photographs I took to document the inspection.

Contact me if you have any questions.

Clay McCurley
D4 100 Area EPL
942-8928



1902-Visual
Inspection Photos ...

1902-D Water Tower Excavation

September 26, 2012



View of vault and north footers excavation (facing east).



View vault and north footers excavation (facing west).

1902-D Water Tower Excavation

September 26, 2012



View of southeast footer excavation (facing northeast).



View of southwest footer excavation (facing east).

Attachment 6: Post Demolition Radiological Surveys

RADIOLOGICAL SURVEY RECORD

Page 1 of 3

Type of Survey:

☐ Routine

☒ Work Progress

Survey #:

RSR - 100N-12-2322

RWP # / Rev. #:

NA

Date:

10-31-2012

Time:

1130

Location:

100N/ 1902D

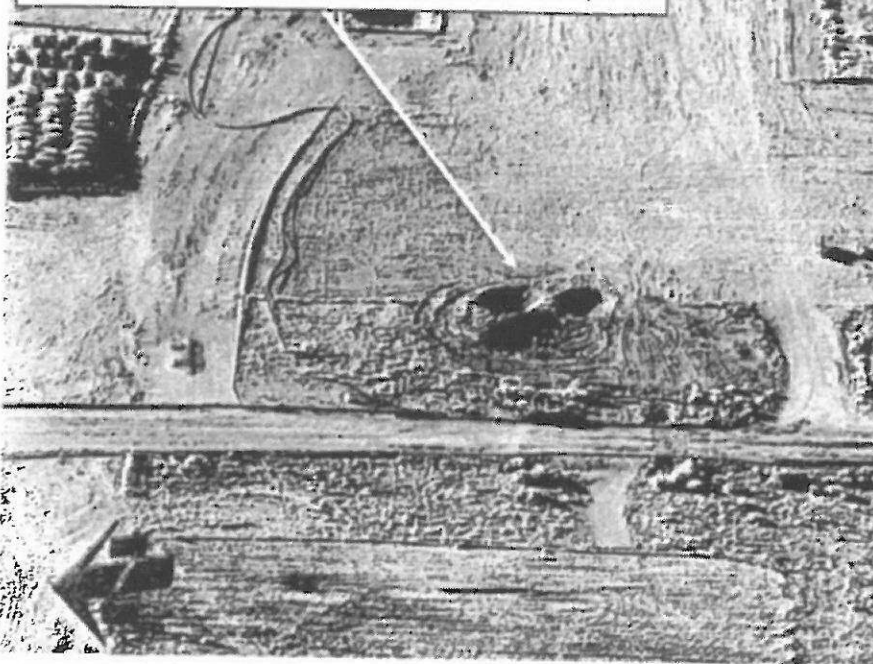
Description: 1902D Post Remediation Survey

References: (e.g., SRTA, ASER, LASER, RSP, Work Package)

TA-07-SR-07/ Revision 7

1902N Demo Site Post-remediation Survey

Area shown resembles a depression in the shape of Mickey Mouse's Head™, were it to have been enlarged to the size of a 1/2 acre in diameter and weighing several hundred tons, dropped from space without burning up on re-entry.



Picture to the left depicts the area which used to contain the 100D Area water tower, AKA 1902D.

The tower was long ago demolished and recent work activity included the demo of the concrete support pad.

Demo of the pad was conducted with no supporting radiological postings, as the tower and pad were located in radiologically clean areas.

During the course of demolition and load-out, periodic surveys were performed of the equipment and the soil and debris being loaded from the area and no fixed or removable contamination was found.

Technical smears were taken on items > 1 inch in diameter, transferability surveys and direct surveys were performed on the soil and debris inside the excavation as depicted on page three, and again no fixed, transferable or removable contamination was found.

See page 3 for graphic depictions of the survey results.

CA Contamination Area		HCA High Contamination Area		RBA Radiological Buffer Area		ARA Airborne Radioactivity Area		[AS] Air Sample Location		RMA Radioactive Materials Area		RA Radiation Area		HRA High Radiation Area		VHRA Very High Radiation Area	
<input type="radio"/> Technical Smear	# Direct	M Large Area Wipe	T Transferable		General Area Dose Rates =Uncorrected Meter Reading (mR/hr)		All radiation readings are γ dose rates in units of mR/hr unless otherwise indicated					Contact 30 cm	N Neutrons (mRem/hr)	Δ Micro Rem (μR/hr)	SCA Soil Contamination Area		Radiological Boundary x---x---x

Instruments

Model	ID #	Cal Due Date	Model	ID #	Cal Due Date
2224-1/43-93	SCLL9-0003/DTLLP-0115	09-06-13/09-06-13	NA	NA	NA
RO-20	ICEB4-1586	05-09-2013	NA	NA	NA
NA	NA	NA	NA	NA	NA

RCT Name/Signature/Date:

GL Eppling/  /10-31-2012

RCT Supervisor Name/Signature/Date:

DRAFT

RADIOLOGICAL SURVEY RECORD

Page: 2 of 3

Survey #: RSR -100N-12-2322

Contamination Measurement Information¹

Circled values indicate Removable β contamination in mrad/hr β

No.	Description of Item or Location	Removable (dpm/100 cm ²)				Total (dpm/100 cm ²)			
		α	α C-F	β - γ	β - γ C-F	α	α C-F	β - γ	β - γ C-F
(All) # T	All tech smears, transferability surveys and directs	< 20	7	< 1,000	10	< 500	7	< 5,000	10
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

¹ Unless stated otherwise in the "References" section, exempted β - γ (i.e., C-14, Fe-55, Ni-63, Se-79, Tc-99, Pd-107, Eu-155) contamination levels are ≤ 10 times the β - γ contamination levels shown above.

Corrected Dose Rate Calculations

Show all work. CF = 1 unless noted.

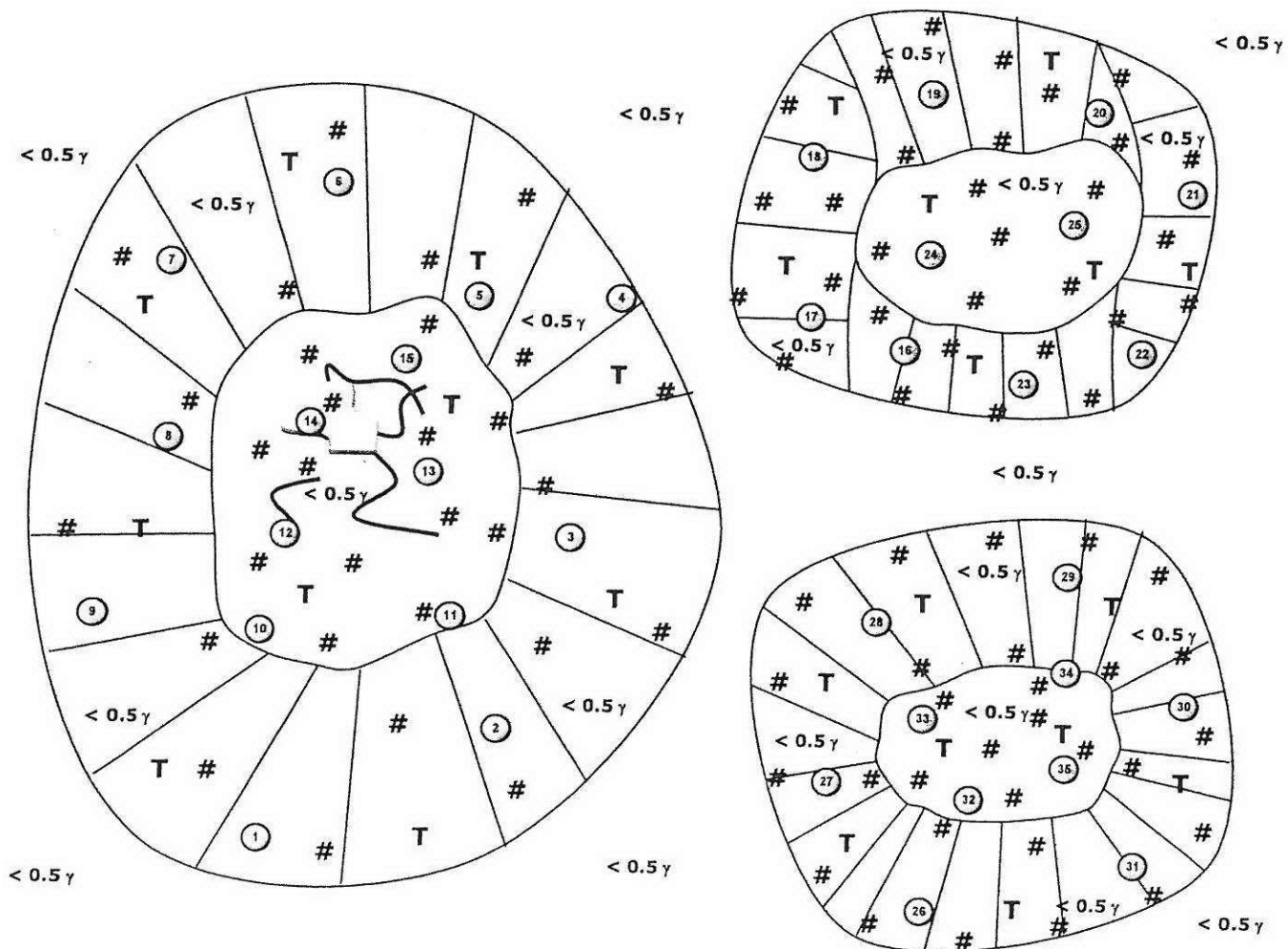
Location	Contact Readings		30 cm Readings	
	β (mrad/hr) (WO-WC) X CF = DR	γ (mR/hr) WC X CF = DR	β (mrad/hr) (WO-WC) X CF = DR	γ (mR/hr) WC X CF = DR
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA

Additional Information

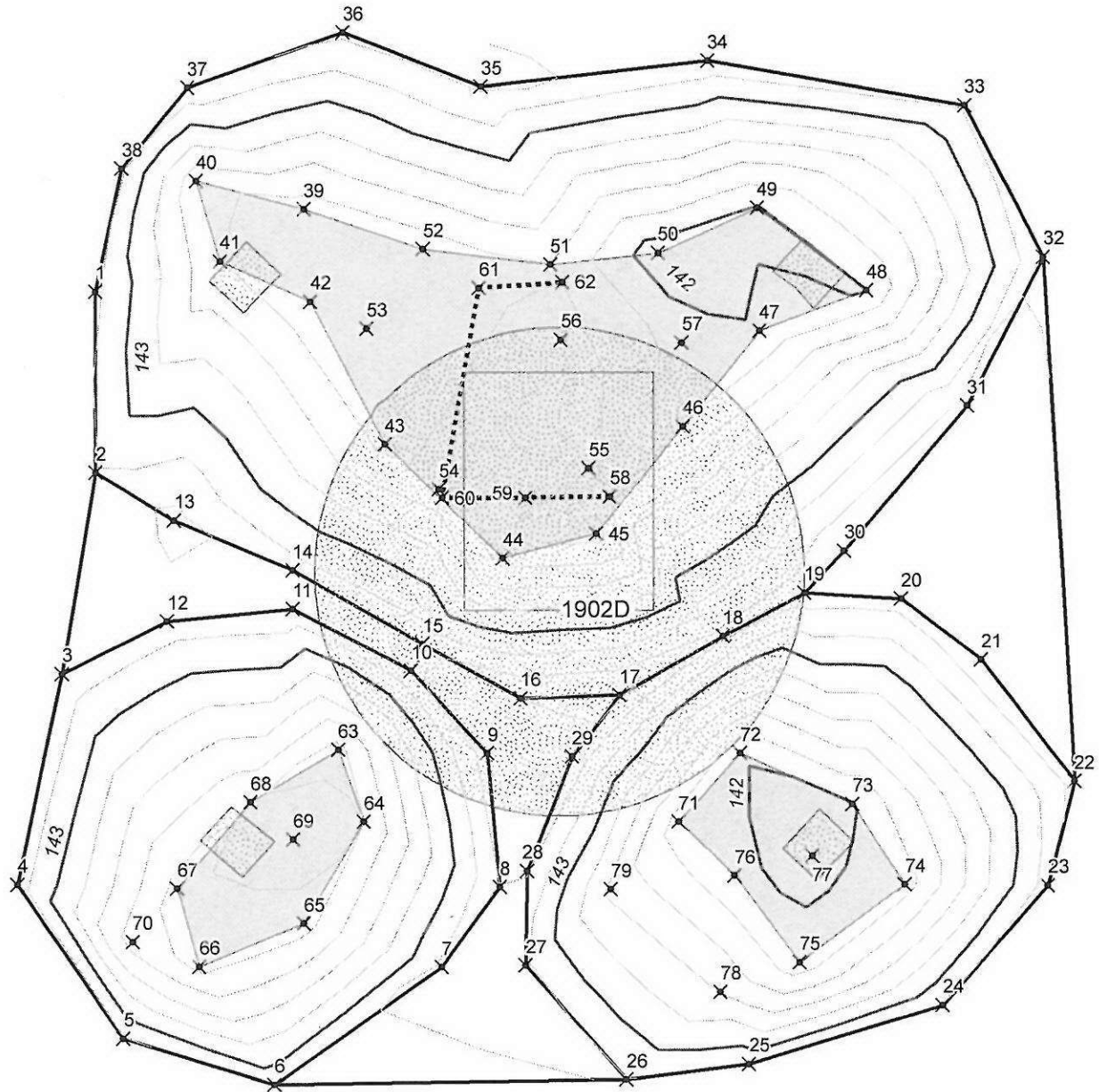
(Drawing, Map, Etc.)

1902D

A survey was performed of the excavation as depicted below with the results as depicted on page 2. Tech smears were performed only on items greater than one inch in diameter. No removable, transferable or fixed/matrixed contamination was found in the soil and/or debris surveyed. (Refer to photo on page one for scale references.)

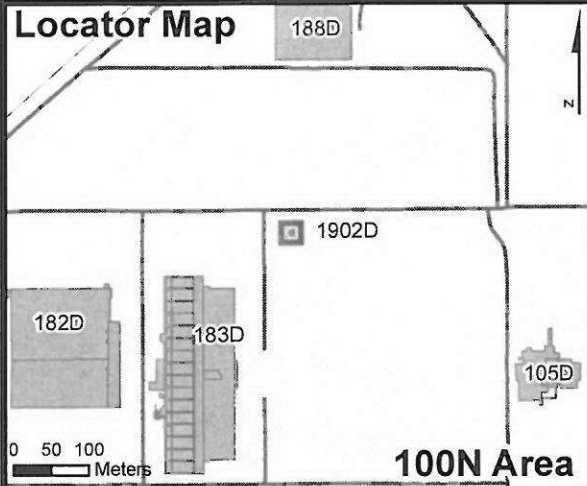


Attachment 7: Civil Survey Information



0 1.25 2.5 5 Meters

Locator Map



Post Demo GPS Report For 1902D

- GPS Post Demolition Survey Points:**
- Excavation Daylight
 - × See Survey Report for Point Details
 - Major Contour 1 Meter Interval
 - Minor Contour .2 Meter Interval
 - Exposed Concrete
 - Building Location (Pre Demolition)
 - Excavation Toe

US State Plane 1983; Zone: Washington South 4602;
NAD83, NAVD88; Units are in Meters

GPS Post Demo Survey for 1902D Building

Project : postdemo_1902D

User name	maaye	Date & Time	1:22:54 PM 9/27/2012
Coordinate System	US State Plane 1983	Zone	Washington South 4602
Project Datum	(WGS 84)		
Vertical Datum	NAVD88	Geoid Model	Not selected
Coordinate Units	Meters		
Distance Units	Meters		
Height Units	Meters		

Survey Project Name: 1902D Post Demo Excavation
 Date: 9/27/2012
 Equipment: 5800
 Survey Purpose: Map post demo footprint
 Requested By: Clay McCurley
 Location: 100D
 Charge Code:
 Field Surveyor: Margo Aye
 Survey Software Used: Trimble Survey Controller, and Geomatics Office V.11
 Survey Equipment Used: 5800
 Control Monuments Used: D3
 Survey Method: RTK
 Horizontal Precision: .020m
 Vertical Precision: .050m
 Fieldwork Start Date: 092712
 Fieldwork Completion Date: 092712

Notes:

GPS Name	Northing	Easting	Elevation	Feature Code	Time/Date
1	151782.040m	573419.830m	143.247m	top	12:19:41 26 Sep 2012
2	151778.678m	573419.832m	143.216m	top	12:19:57 26 Sep 2012
3	151774.934m	573419.203m	143.353m	top	12:20:15 26 Sep 2012
4	151771.009m	573418.376m	143.286m	top	12:20:28 26 Sep 2012
5	151768.131m	573420.330m	143.214m	top	12:20:49 26 Sep 2012
6	151767.261m	573423.134m	143.138m	top	12:21:07 26 Sep 2012
7	151769.449m	573426.256m	143.236m	top	12:21:23 26 Sep 2012
8	151770.942m	573427.334m	143.397m	top	12:21:40 26 Sep 2012
9	151773.438m	573427.106m	143.504m	top	12:21:55 26 Sep 2012
10	151774.973m	573425.694m	143.371m	top	12:22:09 26 Sep 2012
11	151776.123m	573423.481m	143.337m	top	12:22:22 26 Sep 2012
12	151775.903m	573421.157m	143.318m	top	12:22:37 26 Sep 2012
13	151777.784m	573421.283m	143.458m	top	12:22:52 26 Sep 2012
14	151776.847m	573423.479m	143.282m	top	12:23:17 26 Sep 2012
15	151775.468m	573425.905m	143.328m	top	12:23:30 26 Sep 2012
16	151774.459m	573427.725m	143.600m	top	12:23:40 26 Sep 2012
17	151774.517m	573429.555m	143.629m	top	12:23:54 26 Sep 2012
18	151775.621m	573431.469m	143.450m	top	12:24:09 26 Sep 2012
19	151776.427m	573432.995m	143.521m	top	12:24:25 26 Sep 2012
20	151776.317m	573434.785m	143.497m	top	12:24:39 26 Sep 2012
21	151775.186m	573436.259m	143.569m	top	12:25:00 26 Sep 2012
22	151772.919m	573437.969m	143.475m	top	12:25:18 26 Sep 2012
23	151770.976m	573437.489m	143.288m	top	12:25:34 26 Sep 2012
24	151768.742m	573435.552m	143.201m	top	12:26:03 26 Sep 2012
25	151767.642m	573431.952m	143.134m	top	12:26:22 26 Sep 2012
26	151767.354m	573429.674m	143.206m	top	12:26:54 26 Sep 2012
27	151769.479m	573427.814m	143.226m	top	12:27:25 26 Sep 2012
28	151771.242m	573427.846m	143.411m	top	12:27:56 26 Sep 2012
29	151773.375m	573428.674m	143.565m	top	12:28:14 26 Sep 2012
30	151777.211m	573433.744m	143.605m	top	12:28:37 26 Sep 2012
31	151779.905m	573435.999m	143.464m	top	12:28:58 26 Sep 2012
32	151782.661m	573437.401m	143.378m	top	12:29:11 26 Sep 2012
33	151785.469m	573435.960m	143.229m	top	12:29:28 26 Sep 2012
34	151786.285m	573431.196m	143.337m	top	12:29:47 26 Sep 2012
35	151785.814m	573427.007m	143.433m	top	12:30:19 26 Sep 2012
36	151786.816m	573424.438m	143.442m	top	12:30:40 26 Sep 2012

37	151785.799m	573421.540m	143.345m	top	12:31:07	26	Sep	2012
38	151784.307m	573420.318m	143.234m	top	12:31:25	26	Sep	2012
39	151783.550m	573423.703m	142.303m	toe	12:32:27	26	Sep	2012
40	151784.079m	573421.706m	142.469m	toe	12:32:49	26	Sep	2012
41	151782.590m	573422.145m	142.408m	toe	12:33:10	26	Sep	2012
42	151781.837m	573423.823m	142.250m	toe	12:33:31	26	Sep	2012
43	151779.186m	573425.202m	142.349m	toe	12:33:49	26	Sep	2012
44	151777.065m	573427.397m	142.317m	toe	12:34:08	26	Sep	2012
45	151777.527m	573429.125m	142.114m	toe	12:34:32	26	Sep	2012
46	151779.517m	573430.731m	142.234m	toe	12:34:55	26	Sep	2012
47	151781.295m	573432.161m	142.019m	toe	12:35:11	26	Sep	2012
48	151782.041m	573434.153m	141.997m	toe	12:35:35	26	Sep	2012
49	151783.569m	573432.114m	141.984m	toe	12:35:53	26	Sep	2012
50	151782.737m	573430.275m	141.883m	toe	12:36:06	26	Sep	2012
51	151782.520m	573428.284m	142.397m	toe	12:36:30	26	Sep	2012
52	151782.808m	573425.930m	142.278m	toe	12:36:49	26	Sep	2012
53	151781.332m	573424.871m	142.242m	topo	12:37:17	26	Sep	2012
54	151778.351m	573426.213m	142.459m	topo	12:37:39	26	Sep	2012
55	151778.742m	573428.988m	142.420m	topo	12:37:59	26	Sep	2012
56	151781.130m	573428.482m	142.487m	topo	12:38:12	26	Sep	2012
57	151781.075m	573430.715m	142.120m	topo	12:38:40	26	Sep	2012
58	151778.219m	573429.378m	142.377m	conc-structr	12:38:57	26	Sep	2012
59	151778.189m	573427.819m	142.472m	conc-structr	12:39:30	26	Sep	2012
60	151778.193m	573426.277m	142.514m	conc-structr	12:39:50	26	Sep	2012
61	151782.083m	573426.964m	142.351m	conc-structr	12:40:11	26	Sep	2012
62	151782.198m	573428.514m	142.401m	conc-structr	12:40:26	26	Sep	2012
63	151773.499m	573424.327m	142.130m	toe	12:41:08	26	Sep	2012
64	151772.154m	573424.808m	142.198m	toe	12:41:24	26	Sep	2012
65	151770.261m	573423.683m	142.105m	toe	12:41:36	26	Sep	2012
66	151769.463m	573421.747m	142.139m	toe	12:41:49	26	Sep	2012
67	151770.918m	573421.333m	142.137m	toe	12:42:03	26	Sep	2012
68	151772.525m	573422.701m	142.215m	toe	12:42:18	26	Sep	2012
69	151771.827m	573423.481m	142.339m	topo	12:42:31	26	Sep	2012
70	151769.930m	573420.504m	142.304m	topo	12:42:56	26	Sep	2012
71	151772.154m	573430.644m	142.109m	toe	12:43:26	26	Sep	2012
72	151773.440m	573431.791m	142.009m	toe	12:43:40	26	Sep	2012
73	151772.492m	573433.889m	141.990m	toe	12:43:56	26	Sep	2012
74	151770.992m	573434.850m	142.103m	toe	12:44:09	26	Sep	2012
75	151769.537m	573432.902m	142.063m	toe	12:44:23	26	Sep	2012
76	151771.153m	573431.689m	142.031m	toe	12:44:35	26	Sep	2012
77	151771.521m	573433.145m	141.941m	topo	12:44:54	26	Sep	2012
78	151768.987m	573431.422m	142.590m	topo	12:45:15	26	Sep	2012
79	151770.900m	573429.389m	142.556m	topo	12:45:28	26	Sep	2012

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Attachment 8: DOE Approval of No Potential to Emit for 1902-D below grade demolition

167946

^WCH Document Control

From: Warren, David J
Sent: Monday, October 01, 2012 10:05 AM
To: ^WCH Document Control
Subject: FW: No PTE for 1902-D Below Grade

Please CHRON this attachment as it represents a regulatory agreement. Subject line: DOE Approval of No Potential to Emit for 1902-D below grade demolition. Please advise me of the CHRON number assigned once completed. Thanks.

Dave Warren

From: Guercia, Rudolph F (Rudy) [mailto:rudolph.guercia@rl.gov]
Sent: Thursday, September 06, 2012 11:00 AM
To: Warren, David J
Subject: RE: No PTE for 1902-D Below Grade

RL concurs on the evaluation below.

Please chron and place in the project files.

R. F. Guercia, Field Engineering
U.S. Dept. of Energy, Richland Operations Office
PH: (509) 376-5494
Fax: (509) 373-0726

From: Warren, David J [mailto:djwarren@wch-rcc.com]
Sent: Thursday, September 06, 2012 10:43 AM
To: Guercia, Rudolph F (Rudy)
Subject: No PTE for 1902-D Below Grade

Rudy,
Section 9.0 of the **Action Memorandum for General Hanford Site Decommissioning Activities**, DOE/RL-2010-22, Rev. 0, establishes the U.S. Department of Energy (DOE) as lead agency for the proposed removal action. This removal action includes scope managed under **the Removal Action Work Plan for River Corridor General Decommissioning Activities**, DOE/RL-2010-34, Rev. 0.

WCH is currently preparing to demolish/remove the 1902-D Water Tower footings in the 100-D Area. This work, added by TPA CN-493 as authorized by the plug in approach specified in the Action Memorandum, falls within the scope documented in DOE/RL-2010-34, Rev. 0. Process knowledge and history of the 1902-D support the position that the facility is radiologically clean and the above grade was previously demolished using non-regulated/clean equipment. Based on this information, it is not expected that radiological materials will be encountered during demolition of the footings. DOE's concurrence is requested on the determination that an emissions estimate is not required prior to performing removal actions on this facility. This request to DOE, as lead agency, is consistent with the methodology established in Section 4.3.2 of the current **Removal Action Work Plan for River Corridor General Decommissioning Activities**, (DOE/RL-2010-34, Rev. 0).

Please call if you have any questions.
Thanks,

David Warren
100-N D4 Environmental Project Lead
WCH
539-6040